ECLIPSE 99 - QUICK STEPS OF INSTALLATION

Initial power-up of the panel:

1. Set a jumper on RESET terminals on the control panel PCB.

2. Switch on the main power supply 220V.

3. Switch on the back-up battery (12V/7Ah) connectors as observe the polarity of the connection: the red wire to "+" (positive) connector and the black wire "-" (negative) connector.

4. The back lights of all connected to the system bus keyboards will light on showing that the power-up initialization of the system is running. Wait for 15-20 seconds until the power-up initialization is complete. Now the panel is ready for attaching of new devices to the system configuration.

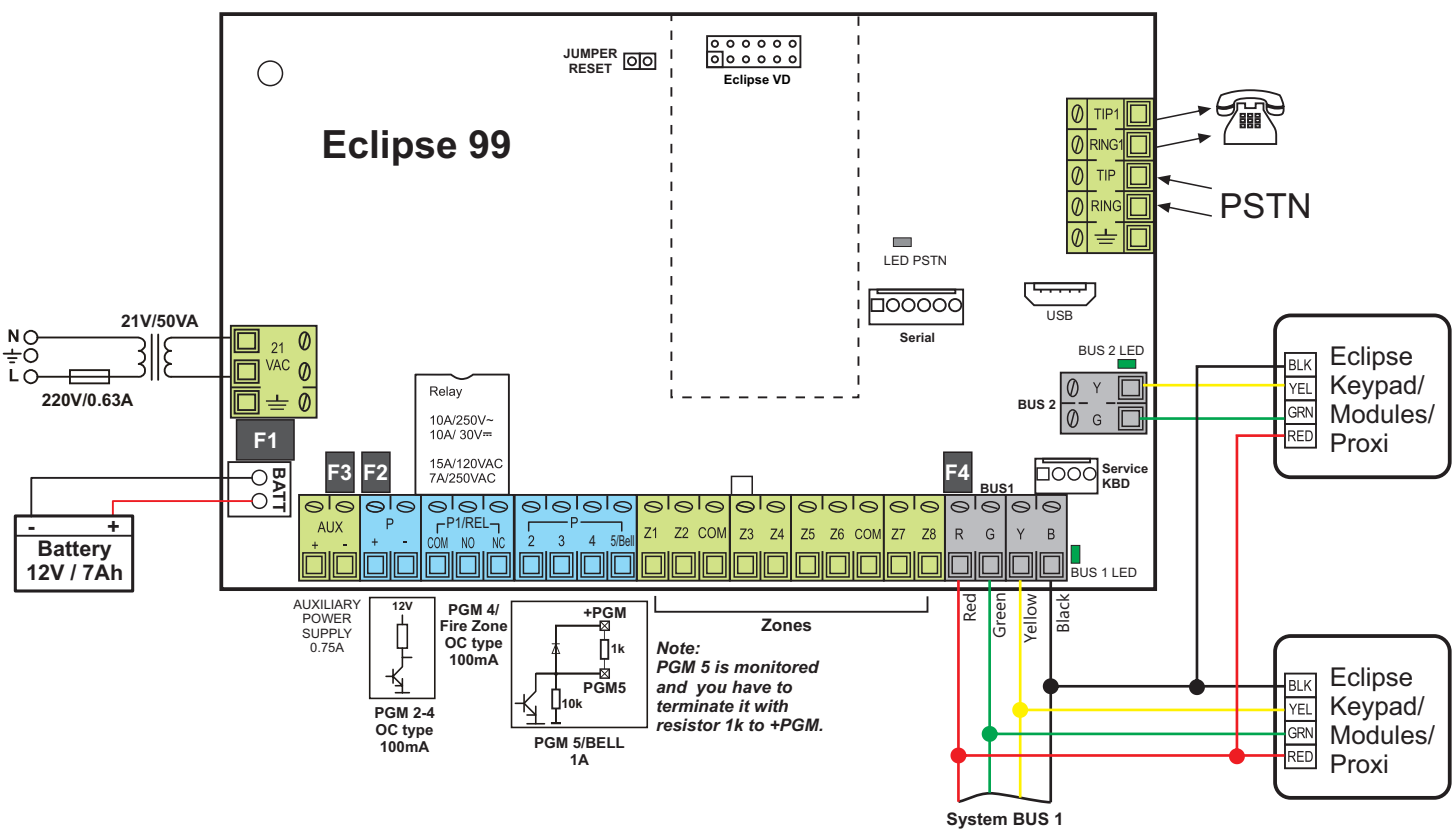
5. Press ENTER (✔) button of all connected to the system bus keyboards one-by-one – this is a quick method for attaching devices to the system. When the attaching is successful a confirmation sound signal is heard.

ATTENTION: *DO NOT PRESS the PRG button of the keyboards during the attaching procedure. Pressing the PRG button will activate "Service keyboard" mode!*

6. Remove the jumper from RESET terminals of the panel.

7. Wait until the system BUS LED stops blinking fast in green.

ECLIPSE 99 - GENERAL CONNECTION DIAGRAM



Directions for operation with Eclipse keyboards

Function of the buttons in programming menus:

 Confirm the entered setting.

 Reject the entered settings and move back to the main screen of the engineering menus.

 Arrows for moving the cursor and selecting a position, value or parameter.

 Press it to save the entered settings and to move forward the menus.

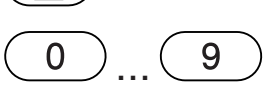
 Press it to cancel the entered settings and to move forward the menus.

 Use the button to enter special symbols and letters (via LCD keyboard) for names of users, zones, areas, etc.

 Use the button to enable or disable area numbers from 10 to 16 in combination with a digit number.

 Use the button to delete text (backward button).

 Use the button to shift between capital and small letters.



Digit buttons for entering of numbers.

Eclipse 99 Quick guide references:

 Important notes for the address.

All default set parameters are marked into grey.

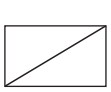
 Press the arrows to switch between two possible settings.

Option
1

One possible option for setting is available at this position.
To enable/disable (activate/deactivate) the option or parameter, press the digit button with the corresponding number.
When the option is enabled the corresponding number is visible; the option is disabled when "✻" symbol is visible.

Option 1
Option 2
1

Two possible options for setting are available at this position.
With pressing the digital button the installer switch over from one to another.
When Option 1 is enabled the "✻" symbol is visible on the screen; when Option 2 is enabled the corresponding number is visible. The both options are described under the address.

 No available option or parameter at this position.

LED Visualization via LED keyboard.

LCD Visualization via LCD keyboard.

ECLIPSE 99 ADDRESS Quick Guide for Engineer Programming (3.xx)

ENGINEER CODE (7777 by default)

MENU: GENERAL PARAMETERS

ADDRESS	DESCRIPTION	ACTION / PARAMETERS
0000	Engineer code	[****] (0) Press and hold to delete the code → [_____] New code 4/ 6 digits — 7777
0001	Maintenance code	[****] (0) Press and hold to delete the code → [_____] New code 4/ 6 digits
0010	Ambush code	DISABLE ◀ ▶ ENABLE
0011	Keyboard blocking	DISABLE ◀ ▶ ENABLE
0013	Trouble sound signalization	DISABLE ◀ ▶ ENABLE
0014	Confidential time mode	Enter time in interval 10 - 180 seconds — [010]
0015	AC trouble delay indication	Enter time in interval 0 - 255 minutes — [030]
0016	Setting the TAMPER type	DISABLE ◀ ▶ ENABLE *Silent TAMPER* *Audible TAMPER*
0017	Alarm message delay	DISABLE ◀ ▶ ENABLE
0020	Walk test	Test the zones one by one for correct indication in opening
0021	PGM test	[01] - enter the PGM number; [OFF/ON] - set the status
0023	Communicator test	Press “ARM” to start test transmission; Press “0" to abort.
0030	Hardware reset	DISABLE ◀ ▶ ENABLE
0031	Menu partial rest ***Select the number of the menu and confirm with password 123456.***	General Settings (0) | Users (1) | Zones (2) | PGM Outputs (3) | Areas (4) | Time Slots (5) | Comm menu (6) | Periph. Devices (8)
0032	Resetting the Manager code	Enter the password 123456 to reset the manager’s code to its default value - 0000. — 0000
0040	Review the memory LOG file	Use the arrows to review the events. Press “2" for more information; press “1” to return to main LOG review screen.
0050	System name	Enter system name up to 16 letters and/ or symbols.
0051	Setting the clock	Enter sequentially HH:MM (hour:minutes)
0052	Setting the date	Enter sequentially DD/MM/YY (day:month:year)
0096	Settings according the requirements of EN50131	No GRADE (0) | GRADE 2 (1) | GRADE 3 (2)
0097	Setting the engineer menu style	Address (1) | Operation (2) | Text (3)
0098	Review the panel software revision	

ECLIPSE 99 ADDRESS Quick Guide for Engineer Programming (3.xx)

ENGINEER CODE (7777 by default)

MENU: USER CODES & SETTINGS

ADDRESS	DESCRIPTION	ACTION / PARAMETERS
1000	Setting the code length	4 digits ◀ ▶ 6 digits
1001	Cloning user settings	Enter: [00]> Source; [00] - First to clone; [00] - Last to clone
1010	User 01 Options ⚠ ***The options for User 01 cannot be changed!***	Disarm (1) | Partial Arm (2) | Bypass (3) | Program (4) | Manager (8)
1011	User 01 Areas	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 (1) (2) (3) (4) (5) (6) (7) (8) (9) +0 +1 +2 +3 +4 +5 +6
1012	User 01 name	Enter User 01 name up to 16 letters and/ or symbols.
1013	User 01 Proxy options	Disarm (1) | Arming Options (2)(3)
1014	User 01 Timeslot	Enter Timeslot number from 1 to 16 for User 01. Enter 0 if a Timeslot is not used. [00]
1015	User 01 Function key fob button: ✱ BRAVO RC A BRAVO RC-41 ● BRAVO RC-11	Not used (0) | Sleep ARM (1) | Stay ARM (2) | Fire Alarm (3) | Medical Alarm (4) | Police Alarm (5) | PGM Switch (6)
1016	User 01 Function key fob button: B BRAVO RC-41	Not used (0) | Sleep ARM (1) | Stay ARM (2) | Fire Alarm (3) | Medical Alarm (4) | Police Alarm (5) | PGM Switch (6)

(2)	(3)	Arming Options
✱	✱	Arming is disabled
✱	3	Full Arming mode
2	✱	Stay Arming mode
2	3	Sleep Arming mode

⚠ **ATTENTION:**
BRAVO RC/RC-41/RC-21/RC-11 remote key fobs are enrolled to Eclipse WL wireless expander. The enrolled key fobs are automatically attached to corresponding user numbers in the system: RC1 to User01, RC2 to User02 and so on.

User numbers from 02 to 99 are programmed in an analogical way. The default settings are as follows:

1xx0	User xx Options	Disarm (1) | Partial Arm (2) | Bypass (3) | Program (4) | Manager (8)
1xx1	User xx Areas	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 (1) (2) (3) (4) (5) (6) (7) (8) (9) +0 +1 +2 +3 +4 +5 +6

ECLIPSE 99 ADDRESS Quick Guide for Engineer Programming (3.xx)

ENGINEER CODE (7777 by default)

MENU: ZONE PROGRAMMING & SETTINGS

ADDRESS	DESCRIPTION	ACTION / PARAMETERS
2000	Setting type of zone wiring	Enter a connection style for zone wiring from 1 to 9. [2]
2001	Activations in Auto Bypass mode	Enter a number of alarm cycles from 1 to 9. [6]
2002	Enabling of instant type zones	DISABLE ◀ ▶ ENABLE
2003	Activations in pulse count mode	Enter a number of pulses from 2 to 9. Enter 0 to block pulse count mode. [0]
2004	Time for zones in pulse count mode	Enter time in interval 0 - 255 seconds. [000]
2005	Cloning zone settings	Enter: [00]> Source; [00] - First to clone; [00] - Last to clone
2010	Zone 01 Attaching of devices	Enter in sequence: [01] Number of Device; [01] Number of hardware input
2011	Zone 01 Type	Enter the type of Zone 01, according its operation:

⚠ ***Only one type can be selected for a zone!***

[00] - Not used	[03] - Instant	[06] - Tamper	[09] - Auxiliary
[01] - Entry/ Exit	[04] - Fire	[07] - Medical	[10] - Entry/ Exit 2
[02] - Follow	[05] - Panic	[08] - Key-Switch	

2012 Zone 01 Areas

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
①	②	③	④	⑤	⑥	⑦	⑧	⑨	+0	+1	+2	+3	+4	+5	+6

2014 Zone 01 Main Attributes

Auto Bypass	Bypass	Stay Arm	Sleep Arm	Force Arm	Double Knock	Entry/Exit Final	Regular / Fast
①	②	③	④	⑤	⑥	⑦	⑧

Attribute 8 has two positions:
✻ - Regular (256ms) sensitivity is set
8 - Fast (64ms) sensitivity is set

2015 Zone 01 Additional Attributes

Bell Delay	Fire Delay	Report Only	Video on Armed	Write to LOG	Chime	Pulse Count	Power up Delay
①	②	③	④	⑤	⑥	⑦	⑧

Attribute 8 has two positions:
✻ - 30 sec. Delay is set
8 - 120 sec. Delay is set

2016 Zone 01 Key-Switch Attributes

Pulse / Latch	Arming Options	Disarm	Normal / Invert
①	②	③	④ ⑤

②	③	Arming Options
✻	✻	Arming is disabled
✻	3	Full Arming mode
2	✻	Stay Arming mode
2	3	Sleep Arming mode

Attribute 1 has two positions:
✻ - Pulse is set; 1 - Latch is set
Attribute 5 has two positions:
✻ - Normal is set; 5 - Invert is set

2017 Zone 01 Auxiliary Attributes

⚠ ***Only one type can be selected for zone!***

Enter a number of an auxiliary attribute:

0 24h Burglary	4 Gas detector	8 Low temperature
1 AC Loss	5 GSM link trouble	9 Loss of heat
2 Battery low	6 Low bottled gas level	
3 Water Leakage	7 High temperature	

2018	Zone 01 name	Enter Zone 01 name up to 16 letters and/ or symbols.
2019	Zone 01 Line resistance	Check the line resistance of Zone 01.

Zone numbers from 02 to 99 are programmed in an analogical way.

ENGINEER CODE (7777 by default)

MENU: PGM PROGRAMMING & SETTINGS

ADDRESS	DESCRIPTION	ACTION / PARAMETERS
3000	Setting the type of PGM 04	Output / Fire zone (1)
3010	PGM 01 Attaching of devices	[1] Number of Device; [1] Number of hardware output
3011	PGM 01 Options	Output (Siren) (1) | Normal (Invert) (2) | Polarity Seconds (Minutes) (3) | Pulsed (Fire) (4) | Delay Seconds (Minutes) (5)
3012	PGM 01 Areas	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 (1 2 3 4 5 6 7 8 9 + 0 + 1 + 2 + 3 + 4 + 5 + 6)
3013	PGM 01 Activation event*	Enter a number of activation event for PGM 01. [20]
3014	PGM 01 Act. event Parameters 1*	Set Parameters 1 of activation event for PGM 01. [123]
3015	PGM 01 Act. event Parameters 2*	Set Parameters 2 of activation event for PGM 01. 0
3017	PGM 01 Deactivation Timer	Set a time for deactivation the event entered at 3013. Enter time in interval 0-255, as the time unit is set at 3011. [000]
3019	PGM 01 Time delay for activation	Set a time for delay activation of the event entered at 3013. Enter time in interval 0-255, as the time unit is set at 3011. [000]

In case the PGM4 is programmed as fire zone in Eclipse 99 control panel, that zone will be attached to Device 01 (the control panel) as zone number 99.
The installer can attach that fire zone to anyone free zone at the ADDRESS 2xx0, programing [01] for device and [99] for input/ zone number.
2.2K resistor must be connected at the end of the fire line.

PGM 04 has two operation settings:
✻ - Output is set; 1 - Fire zone is set

Attribute 1 has two positions:
✻ - Output is set; 1 - Siren is set
Attribute 2 has two positions:
✻ - Normal is set; 2 - Invert is set
Attribute 3 has two positions:
✻ - Sec. are set; 3 - Min. are set
Attribute 5 has two positions:
✻ - Sec. are set; 5 - Min. are set

PGM numbers from 02 to 99 are programmed in an analogical way.
* *NOTE: The PGM events are described in the APPENDIX at the end of this document.*

ATTENTION: The default settings for PGM 05 is to operate as siren output:

3051	PGM 05 Options	Output (Siren) (1)	Normal (Invert) (2)	Polarity Seconds (Minutes) (3)	Pulsed (Fire) (4)	Delay Seconds (Minutes) (5)

If after the initial power-up of the control panel, no siren is connected to PGM 05 output, the system will display a trouble message "8. SIREN FAULT". In case the PGM 05 will be used as a general output, the setting at address 3051 must be programmed as "✻". You can leave the set by default option, but to void the displayed trouble message in that case terminate the PGM 05 output with 1kOm resistance – you can find one in the supplied spare parts kit.

ENGINEER CODE (7777 by default)

MENU: AREA PROGRAMMING & SETTINGS

ADDRESS	DESCRIPTION	ACTION / PARAMETERS
4000	Setting the account digit length	4 digits ◀ ▶ 6 digits
4001	Setting "Double knock" delay time	Set a time in interval from 1 to 5 minutes. [3]
4002	Setting area arming on "no move"	Set a time from 1 to 255 minutes; or 000 to block the address. [000]
4003	Setting area postpone delay time	Set a time in interval from 1 to 255 minutes. [010]
4010	Setting Area 1 exit time	Set the exit time for Area 1 in time interval 0-255 seconds. [045]
4011	Setting Area 1 entry time	Set the entry times "Entry 1" and "Entry 2" for Area 1. The entry times have to be in interval 0-255 seconds. E1 [015] E2 [015]

Note: *The Entry Time 1 [E1] is set for the zone type "Entry/Exit". The Entry Time 2 [E2] is set for the zone type "Entry/Exit 2". See also address 2011.*

4012	Setting Area 1 alarm cycle	Set the alarm cycle for Area 1 in time interval 0-255 min. [001]
4013	Setting Area 1 account number	Set an account number with 4/6 digits/letters length. [FFFF]
4014	Setting Area 1 Bell Attributes	Squawk on Arm (1) · Squawk on Disarm (2) · Alarm Memory squawk (3) · 10 min. warning (4) · Fire Alarm duration (5)
4015	Setting Area 1 ON/OFF Attributes	Auto Dis. on TS* (1) · Full Arm / Stay Arm (2) · Clear bypass on disarm (3) · Quick Arm (4) · Auto Arm on no move (5)
4016	Setting Area 1 Panic type	Enable Police Panic (1) · Police Panic Sound (2) · Enable Medical Panic (3) · Medical Panic Sound (4) · Enable Fire Panic (5)
4017	Area 1 name	Enter Area 1 name up to 16 letters and/ or symbols.
4018	Setting Area 1 bell delay	Set bell delay for Area 1 in time interval 0-255 seconds. [000]
4019	Area 1 Timeslot	Enter Timeslot number from 1 to 16 for Area 1. Enter 0 if a Timeslot is not used. [00]

Attribute 2 has two positions:
✻ ***- Full Arm is set;***
2 ***- Stay Arm is set***

Attribute 2 has two positions:
✻ ***- Audible;*** 2 ***- Silent***
Attribute 4 has two positions:
✻ ***- Audible;*** 4 ***- Silent***

Area numbers from 2 to 16 are programmed in an analogical way.

** TS - Timeslot*

ATTENTION!
You must consider the following important notes for **Eclipse Series keyboards** when connected to **ECLIPSE 99** control panel:

Keyboard	Display Type	Indication Area Number															
		1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**
LED 8*	LED Icon	One Area; No specific indication															
LED 16A**	LED Icon	Three Areas; A, B and C indication															
LED 32***	LED Icon	Eight Areas; A1, A2, A3, A4, A5, A6, A7 and A8 indication															
LCD 32 (S)	LCD Text	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

IMPORTANT NOTES!
It is strongly recommended to use LCD type keyboard or ProsTE software for programming of ECLIPSE 99 control panel!
It is recommended to provide at least one LCD keyboard into the configuration of a security system with ECLIPSE 99 control panel.

Note: The LED8 keyboard supports operation and management of only one area.
The area number is set at address 8xx3, where "xx" is the keyboard number in the system.

****Note: The LED16A keyboard supports operation and management of up to three areas.***
The area numbers are set at address 8xx3, where "xx" is the keyboard number in the system.
The areas are displayed as A, B and C, where A is the area with the smaller number, and C with the higher one.
Note that there is no direct correspondence between the area number and the keyboard letter!
For example, if at address 8xx3 are set operation with areas 3, 5 and 8, the correspondence will be as follows:
Area A correspond to Area number 3;
Area B correspond to Area number 5;
Area C correspond to Area number 8.

*****Note: The LED32 keyboard supports operation and management of up to eight areas.***
The area numbers are set at address 8xx3, where "xx" is the keyboard number in the system.
The areas are displayed as A1-A8, where A1 is the area with the smaller number, and A8 with the higher one.
Note that there is no direct correspondence between the area number and the keyboard letter!
For example, if at address 8xx3 are set operation with areas from 3 to 6, and from 13 to 16, the correspondence will be as follows:
Area A1 correspond to Area number 3;
Area A2 correspond to Area number 4;
Area A3 correspond to Area number 5;
Area A4 correspond to Area number 6;
Area A5 correspond to Area number 13;
Area A6 correspond to Area number 14;
Area A7 correspond to Area number 15;
Area A8 correspond to Area number 16.

ENGINEER CODE (7777 by default)

MENU: TIMESLOTS PROGRAMMING & SETTINGS

ADDRESS	DESCRIPTION	ACTION / PARAMETERS
5010	Timeslot 1 start time (Arming)	Set time in format [HH:MM] earlier than that set at 5011. [00:00]
5011	Timeslot 1 end time (Disarming)	Set time in format [HH:MM] later than that set at 5010. [23:59]
5012	Timeslot 1 week days	MON (1) TUE (2) WED (3) THU (4) FRI (5) SAT (6) SUN (7)
5013	Timeslot 1 options	Holidays (1): Normal / Invert (2)

Option 2 has two positions:
✳ - Normal operation of the Timeslot;
2 - Invert operation of the Timeslot

Timeslot numbers from 2 to 16 are programmed in an analogical way.

The addresses for setting the holidays are separated by months as follows:

5411	Setting holidays for JAN 1-8 days	1 (1)	2 (2)	3 (3)	4 (4)	5 (5)	6 (6)	7 (7)	8 (8)
5412	Setting holidays for JAN 9-16 days	9 (1)	10 (2)	11 (3)	12 (4)	13 (5)	14 (6)	15 (7)	16 (8)
5413	Setting holidays for JAN 17-24 days	17 (1)	18 (2)	19 (3)	20 (4)	21 (5)	22 (6)	23 (7)	24 (8)
5414	Setting holidays for JAN 25-31 days	25 (1)	26 (2)	27 (3)	28 (4)	29 (5)	30 (6)	31 (7)	

.... - Regular day; ⊢ - Holiday is set

542x	Setting holidays for FEB days
543x	Setting holidays for MAR days
544x	Setting holidays for APR days
545x	Setting holidays for MAY days
546x	Setting holidays for JUN days
547x	Setting holidays for JUL days
548x	Setting holidays for AUG days
549x	Setting holidays for SEP days
550x	Setting holidays for OCT days
551x	Setting holidays for NOV days
552x	Setting holidays for DEC days

ENGINEER CODE (7777 by default)

MENU: COMMUNICATION PROGRAMMING & SETTINGS

ADDRESS	DESCRIPTION	ACTION / PARAMETERS
6000	Setting the PSTN Options	Dialer (1) | TLM* (2) | TLM* Alarm (3) | Tone / Pulse (4) | Dial tone / Blind dialing (5) | All / Alternat. (6) | Report channels (7) (8)
6001	Number of attempts for communic.	Set the number of attempts for communication 1 - 9. [4]
6002	Setting the test message period	Set the time period 0 - 255 hours. [024]
6003	Setting the test message hour	Set the start time in format [HH:MM]. [00:05]
6004	Setting the TLM* fault delay	Set the time delay period 0 - 255 minutes. [000]
6010	Phone 1 for the digital communicator	Enter a telephone number up to 32 characters long.
6011	Phone 1 communication protocol	CID ◀ ▶ SIA
6012	Phone 1 alarm messages	Alarm (1) | Tamper (2) | Panic, Ambush (3) | Fire (4) | Arm, Disarm, Bypass (5) | Medical (6) | Trouble (7) | Special (8)
6013	Phone 1 areas	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Dialing

Attribute 4 has two positions:
**** - Tone type dialing is set;***
4 - Pulse type dialing is set
Attribute 5 has two positions:
**** - Dial tone is set;***
5 - Blind dialing is set
Attribute 6 has two positions:
**** - Message to all phones;***
6 - Message to at least one phone

(7) (8)	Report channels
* *	No communication through AJAX and PSTN channels
* 8	AJAX is the main channel, and PSTN is backup channel
7 *	PSTN is the main channel, and AJAX is backup channel
7 8	Both channels are used

(1) (2) (3) (4) (5) (6) (7) (8)

(1) (2) (3) (4) (5) (6) (7) (8) (9) (+0) (+1) (+2) (+3) (+4) (+5) (+6)

Phone numbers for the communicator from 2 to 4 are programmed in an analogical way.

** TLM - Telephone Line Monitoring*

ENGINEER CODE (7777 by default)

MENU: COMMUNICATION PROGRAMMING & SETTINGS

ADDRESS	DESCRIPTION	ACTION / PARAMETERS
6100	Setting the VD Options	Report for event (1) / User control (2) / Skip site name (4)
6101	VD Message Repetitions	Enter the number of message repetitions from 1-9 . [3]
6103	VD Language	Set a number for language of the messages: [00] - English; [01] - Portuguese; [02] - Italian; [03] - Romanian; [04] - Greek; [05] - Persian (Farsi); [06] - French; [07] - Turkish; [08] - Serbian; [09] - Spanish; [10] - German; [11] - Bulgarian
6110	VD Phone 1	Enter a telephone number up to 32 characters long.
6111	VD Phone 1 areas	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
6112	Phone 1 message types	Alarm (1) / Tamper (2) / Panic, Ambush (3) / Fire (4) / Arm, Disarm, Bypass (5) / Medical (6) / Trouble (7) / Special (8)

VD Phone numbers from 2 to 8 for the voice dialer are programmed in an analogical way.

6901	Setting PC ID number	Enter a PC ID number for up/ downloading. [1234]
6904	Setting the UDL options	Answ. machine (2) / Modem (3)
6905	Setting the number of rings	Enter the number of incoming rings from 01 to 99. Enter 00 to block the up/ downloading. [04]

ENGINEER CODE (7777 by default)

MENU: DEVICE PROGRAMMING & SETTINGS

ADDRESS	DESCRIPTION	ACTION / PARAMETERS
8xx0	Device XX ID	

LED	LCD	Device type
1	MAIN	The PCB of the control panel.
2	LCD	LCD32 or LCD32 Sensitive Keyboard.
3	LED	LED8, LED16A or LED32 Keyboard.
4	ZEXP	Zone expander.
5	PEXP	PGM expander.
6	WEXP	Wireless expander.
7	PRX	Stand alone proximity reader.

XX is a number of Device 02 to 31.

⚠ **Attention: Device 01 is always the PCB of the control panel!**

8xx1 Device XX areas

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	2	3	4	5	6	7	8	9	+0	+1	+2	+3	+4	+5	+6

8xx2 Device XX options

Chime	Zone info	Conf. mode	Exit conf. mode	Main* screen
1	2	3	4	5

***Note: The option 5. Main Screen is accessible only for LCD keyboards**

8xx3 Device XX Physical hardware — In [X] - Device XX inputs; Out [X] - Device XX outputs

The number of physical inputs depends on the type of the device and selected connection style diagram at address 2000.

8xx4 Device XX Communication — Checking the communication quality between Device XX and the control panel.

8xx5 LED Keyboard Zone Mapping — Enter the first used zone number for operation attached to an Area enabled for the keyboard*. Zone number: 01-99. [01]

The menu is accessible only for LED keyboards.

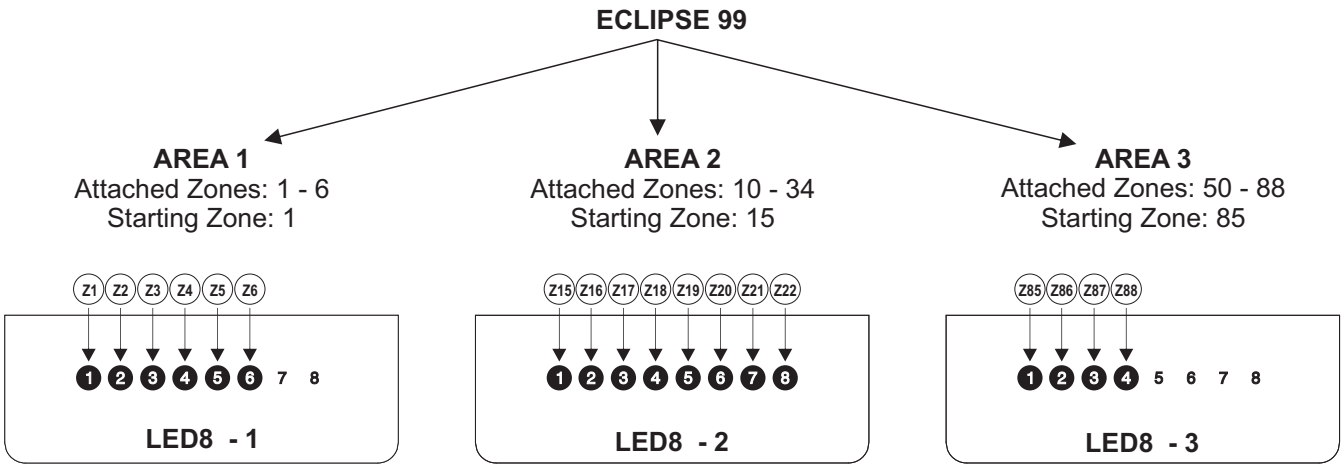
** Zone Mapping (Relocation of zone numbers at LED8, LED16A and LED32 keyboards)*

This is a special address available for settings at LED keyboards programming menus. The Eclipse LED keyboards have limited visualization for zone numbers when they are used in configuration with Eclipse 99 control panel. The visualization of zones is as follows:
- LED 8 Keyboard - Possibility for indication of up to 8 zones.
- LED 16A Keyboard - Possibility for indication of up to 16 zones.
- LED 32 Keyboard - Possibility for indication of up to 32 zones.

In a complex security system with up to 99 zones, the LED keyboards still can be used from users for management of the protected premises. The LED keyboards are preferred variant when the system is divided into sections (partitions) including one or more Areas with different zones attached to them. This requires some preliminary planning of the system including zoning, grouping the zones into secure Areas, attaching Areas to Users and devices, and programming of user rights for managing the system.

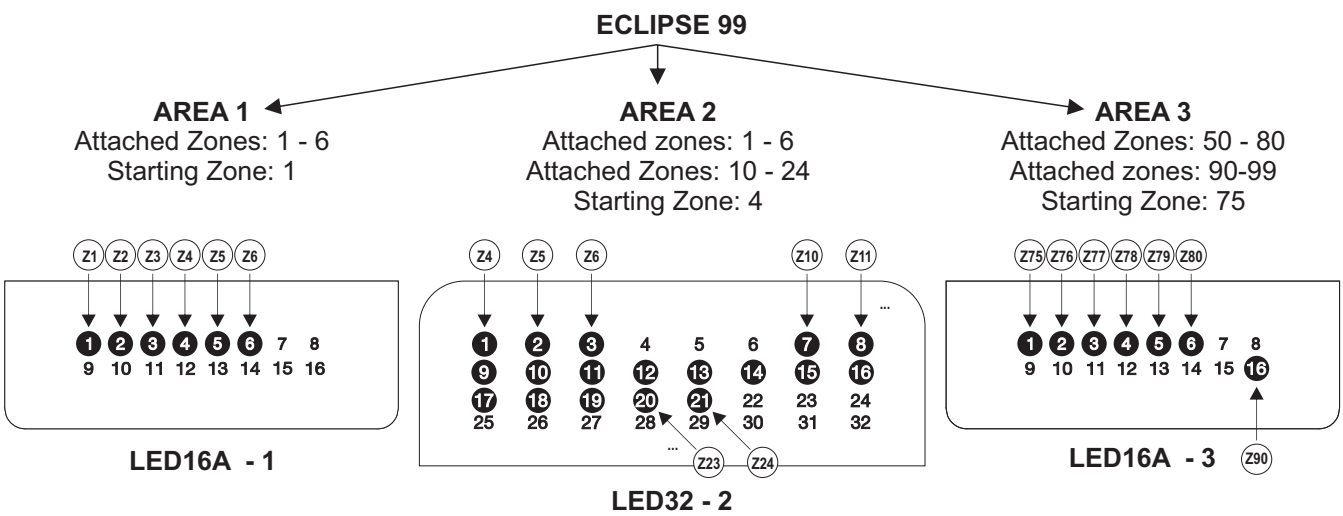
At address 8xx5 the installer sets the first (starting) zone number for operation with the keyboard. The system starts automatically configuration and sets the following zone numbers in sequence. One LED keyboard can show all zones in an Area, or just a few zones from it, as it depends on the first entered zone number. The following examples are representing the using of Zone Mapping process applied to different LED keyboards.

Example 1. *Using Zone Mapping with LED 8 keyboard.*



The correspondence between zone numbers and keyboard indicators.

Example 2. *Using Zone Mapping with LED 16A and LED 32 keyboards.*



The correspondence between zone numbers and keyboard indicators.

In the example, two series of zone numbers (from 1 to 6 and from 10 to 24) are attached to Area 2. At address 8xx5 of the LED32 programming menus as a starting zone is set 04. After confirmation the system will automatically relocate the attached zone numbers to the keyboard indicators. As the 04 is the starting zone, the system will skip the first three zones (01, 02 and 03). After the relocation is complete, in case of Zone 04 activation, the indication of the LED32 keyboard will be blinking or lighting on of zone 1 indicator.

Note also that a “gap space” is set automatically when there are different series of zones attached to an Area. In the same example, the zone relocation will continue with skipping the next three positions - 4, 5 and 6 zone indicators, and relocating Zone 10 in the system to zone indicator 7, Zone 11 to zone indicator 8, and so on, finishing with relocation of Zone 24 to zone indicator 21 (last for this Area).

Some systems can become too complex using all available Area and Zone numbers of Eclipse 99 alarm control panel. Planning the system is the first step and next very important is to document the final configuration. When a large number of LED keyboards are used with applied zone relocation according the system requirements it is recommenced to make a list with the used LED keyboards with a map of relocated zones numbers for any of it.

ENGINEER CODE (7777 by default)

MENU: DEVICE PROGRAMMING & SETTINGS - Countinue

ADDRESS DESCRIPTION ACTION / PARAMETERS

⚠ ***The following addresses are accessible for Eclipse WL wireless expander only.***

8xx5 → Wireless device enrolment → Enter a number of wireless device (from 01 to 32) and confirm with ENTER. If the position is free the screen displays [Free][_____].

Devices from MC, PIR, FLD, FIRE and type must be attached to a free zone number.
Devices from SR type must be attached to a free PGM number with option "Siren" set.

LED	LCD	Device type
⓫	SIRN	Wireless siren BRAVO SR200/SR300Li/SR300Alk.
⓬	MC	Wireless magnetic contact BRAVO MC.
⓭	PIR	Wireless motion detector BRAVO PIR/PIR EXT GJD.
⓰	FIRE	Wireless fire detector BRAVO FD.
⓲	FLD	Wireless flood detector BRAVO FL.

8xx6 → Remote key fobs enrolment → Enter a number of key fob (from 01 to 99) and confirm with ENTER. If the position is free the screen displays [Free][_____].

The access to this address is only directly from the main screen of the programming menus.

⓯	REMT	Two-way remote key fob BRAVO RC.

⚠ ***The following addresses are accessible for stand alone proximity card readers only.***

8xx7 → Setting Arming Mode A

1 s	2 ✻	3 ✻	4 ✻	5 ✻	6 ✻	7 ✻	8 ✻	9 ✻	10 ✻	11 ✻	12 ✻	13 ✻	14 ✻	15 ✻	16 ✻

Stay Arm

8xx8 → Setting Arming Mode B

1 S	2 ✻	3 ✻	4 ✻	5 ✻	6 ✻	7 ✻	8 ✻	9 ✻	10 ✻	11 ✻	12 ✻	13 ✻	14 ✻	15 ✻	16 ✻

Sleep Arm

Button	Operation	Indication on keyboard		
		LCD	LED32	LED8/16A
⓪	No change of the Area state	[✻]	[10]	Button [0]
①	Disarm	[d]	[1]	Button [1]
②	Full Arm	[f]	[2]	Button [2]
③	Stay Arm	[s]	[3]	Button [3]
④	Sleep Arm	[S]	[4]	Button [4]

APPENDIX
Table of the PGM events.

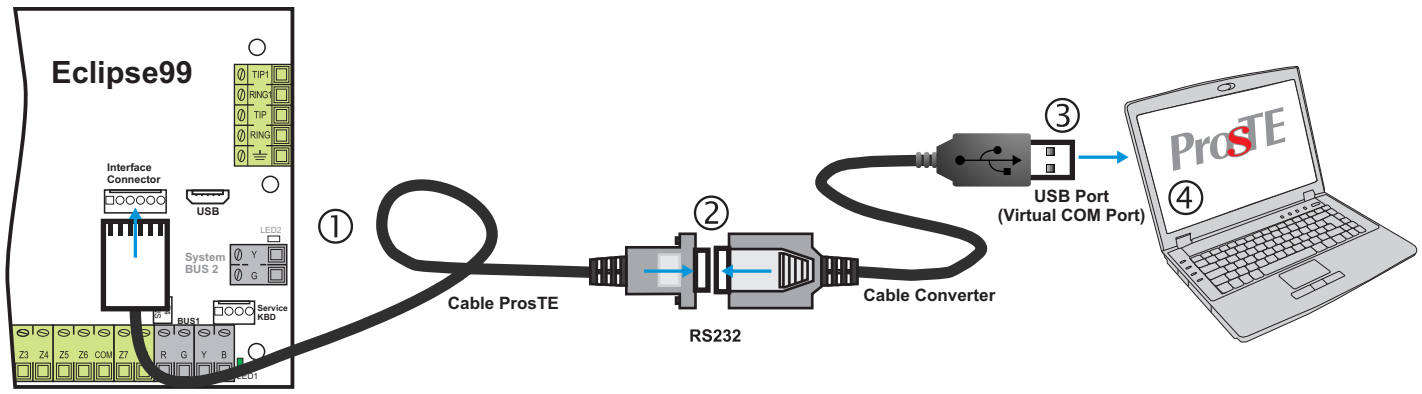
ADDRESS: 3xx3 - Activation		ADDRESS: 3xx4 – Set Parameter 1	ADDRESS: 3xx5 – Set Parameter 2
00	**The output is not used**		
Event No	**ZONE Event - Description**	**PARAMETERS 1**	**PARAMETERS 2**
01	**Zone Open** Activated on "OR" function (if at least one of the set area numbers is open the PGM is activated) Deactivated on "AND" function (when all of the set area numbers are closed the PGM is restored)	Enter zone number "FROM"	Enter zone number "TO" *If "00" is entered – not used, operates only "FROM"*
02	Not used	-	-
03	**Zone Bypassing** Activated on "OR" function (if at least one of the set area numbers is bypassed the PGM is activated, with no sense of the way of bypassing) Deactivated on "AND" function (when all of the set area numbers are not bypassed the PGM is restored)	Enter zone number "FROM"	Enter zone number "TO" *If "00" is entered – not used, operates only "FROM"*
04-07	Not used	-	-
08	**Zone Tamper** Activated on "OR" function (if at least one of the set area numbers is with open tamper the PGM is activated) Deactivated on "AND" function (when all of the set area numbers are with closed tamper the PGM is restored)	Enter zone number "FROM"	Enter zone number "TO" *If "00" is entered – not used, operates only "FROM"*
09-11	Not used	-	-
12	**Zone in Alarm** Activated on "OR" function (a signal from protected areas from type Entry -Exit, Follow and Instant, PGM is activated) Deactivated on "AND" function (when all of the set zone numbers are alarm restored the PGM is restored too)	Enter zone number "FROM"	Enter zone number "TO" *If "00" is entered – not used, operates only "FROM"*
13	Not used		
14	**Zone in Fire Alarm** Activated on "OR" function (if at least one of the set area numbers is in fire alarm the PGM is activated) Deactivated on "AND" function (when all of the set area numbers are fire alarm restored the PGM is restored too)	Enter zone number "FROM"	Enter zone number "TO" *If "00" is entered – not used, operates only "FROM"*
15	Not used		
16	**Zone in Medical Alarm** Activated on "OR" function (if at least one of the set area numbers is in medical alarm the PGM is activated) Deactivated on "AND" function (when all of the set area numbers are medical alarm restored the PGM is restored too)	Enter zone number "FROM"	Enter zone number "TO" *If "00" is entered – not used, operates only "FROM"*
17-19	Not used	-	-

Event No	AREA Event - Description	PARAMETERS 1	PARAMETERS 2
20	**Area Arm** Activated on "OR" function (if at least one of all area numbers is armed the PGM is activated) Deactivated on "AND" function (when all area numbers are disarmed the PGM is restored)	Enter the arming type: 1 – FULL arming 2 – STAY arming 3 – SLEEP arming **All arming types are enabled by default.**	-
21-26	Not used	-	-
27	**Alarm in Area** Activated on "OR" function (if at least one area number is in alarm the PGM is activated) Deactivated on "AND" function (when all area numbers are alarm restored the PGM is restored too)	Enter the alarm type: 1 – Burglary alarm 2 – Fire alarm 3 – Panic alarm 4 – Tamper alarm 5 – Medical alarm 6 – Ambush code **All alarm types are enabled by default.**	-
28	Not used		-
29	**Panic Alarm in Area** Activated on "OR" function (if at least one area number is in panic alarm the PGM is activated) Deactivated on "AND" function (when all area numbers are panic alarm restored the PGM is restored too)	Enter the panic type: 1 – Silent panic 2 – Sound panic 3 – Silent medical 4 – Sound medical 5 – Fire **All panic types are enabled by default.**	-
30-35	Not used	-	-
Event No	**CODE Events - Description**	**PARAMETERS 1**	**PARAMETERS 2**
36	**Valid User Code Enter** Activated on "OR" function (when a valid user code is entered the PGM is activated) Deactivation on time - 5 sec.	Enter the number of user code to start "FROM".	Enter the number of user code to end "TO".
		To set a single user code, enter 00 at the address for PARAMETERS 2. *To set all possible user codes, enter 00 for both addresses PARAMETERS 1 and PARAMETERS 2.*	
37	**Ambush Code Enter** Activated on "OR" function (when an ambush code is entered the PGM is activated) Deactivation on time - 5 sec.	Enter the number of user code to start "FROM".	Enter the number of user code to end "TO".
		To set a single user code, enter 00 at the address for PARAMETERS 2. *To set all possible user codes, enter 00 for both addresses PARAMETERS 1 and PARAMETERS 2.*	
38	**Blocked Keyboard** Activated when 3 non valid user codes are entered in sequence. Deactivation on time - 5 sec.*NOTE: The keyboard blocking must be enabled at address 0011.*	-	-
39	**Valid Proxy** *Only for those cases when the proxy card and the PGM output have common areas and at least one of them is disarmed.*Activated on "OR" function (when a valid proximity card is placed in front of the card reader the PGM is activated). Deactivation on time - 5 sec.	Enter the number of proximity card to start "FROM".	Enter the number of proximity card to end "TO".
		To set a single user code, enter 00 at the address for PARAMETERS 2. *To set all possible user codes, enter 00 for both addresses PARAMETERS 1 and PARAMETERS 2.*	
40	**Invalid Proxy** Deactivation on time - 5 sec.	-	-
41	**Valid RC (remote key fob)** Activated on "OR" function (when a button of a valid RC is pressed, the PGM is activated). Deactivation on time – 5 sec.	Enter the number of RC to start "FROM".	Enter the number of RC to end "TO".
		To set a single RC, enter 00 at the address for PARAMETERS 2. *To set all possible RCs, enter 00 for both addresses PARAMETERS 1 and PARAMETERS 2.*	
42	**BRAVO RC Button** Activated on "OR" function (when a button of a valid BRAVO remote key fob is pressed, the PGM is activated). Deactivation on time – 5 sec.	Enter the number of BRAVO RC to start "FROM".	Enter the number of BRAVO RC to end "TO".
		To set a single BRAVO remote key fob, enter 00 at the address for PARAMETERS 2. *To set all possible remote key fobs, enter 00 for both addresses PARAMETERS 1 and PARAMETERS 2.*	
43-46	Not used	-	-

Event No	TROUBLE Event – Description	PARAMETERS 1	PARAMETERS 2
47	**System Fault** Activated on "OR" function (if at least one system trouble is present the PGM is activated) Deactivated on "AND" function (when no system troubles are present)	Enter the trouble type: 1 – AC power loss 2 – Battery loss 3 – Blown fuse 4 – Communication trouble 5 – Tamper 6 – System bus error 7 – Fire line failure 8 – Siren fault **All system troubles are enabled by default.**	Enter the trouble type *(see item 2.2 – Table of system faults):* 1 (*Fault 9*) – Invalid time and date 2 (*Fault 10*) – Wireless device trouble 3 (*Fault 11*) – Radio jamming of the wireless expander 4 (*Fault 12*) – Problem with the power supply of an expander module. **All system troubles are enabled by default.**
48-54	Not used	-	-
Event No	**Special Events – Description**	**PARAMETERS 1**	**PARAMETERS 2**
55	**Engineer menu entry** The PGM is activated in Engineer menu entry. The PGM is restored in Engineer menu exit.	-	-
56 – 58	Not used	-	-
59	**"Chime" Sound Signal** Activated on "OR" function (there is "Chime" activated in at least one area) Deactivation on time – 5 sec.	-	-
60	**Video on armed** Activated in case of violation in an instant zone with "Video on armed" set option. Deactivation on time – 1 minute.	-	-
61	**Fire Detector Reset** The PGM is activated when the Memory log file is cleared after entering of valid codes with rights for operation in the respective area. Deactivation on time – 5 sec.	-	-
62	**Timeslot activation** Follows the activation of the respective timeslot number.	Enter a timeslot number from: Eclipse 32: from 1 to 8 Eclipse 99: from 1 to 16	-
63	Not used		
64	**Remote control** *Activation and deactivation (restore) of the PGM output over communication module (LAN, GPRS, VD/DTMF, ARGUS, etc).*	-	-

FIRMWARE UPDATE

For realizing of firmware update of ECLIPSE 99 you have to provide the following:
- ECLIPSE 99 control panel with power supply on.
- Specialized cable “Cable ProsTE” for programming and cable converter USB to SERIAL RS232 for HW 1.3 and lower or standard cable USB - micro USB for HW 1.4 and higher.
- Personal computer or laptop with installed ProsTE software (ver. 5.3.8 or later).
- SPF file for firmware update downloaded form the site of the manufacturer.



Attention: Always use the last actual version of ProsTE Specialized Programming Software downloaded from the official web page of the manufacturer!

Actual files (SPF) for firmware update are available for download for registered users with rigths only from the official web page of the manufacturer: http://www.teletek-electronics.com

To do a firmware update of your ECLIPSE 99 panel:

1. Download the last actual file for firmware update from the official web page of the manufacturer and save it to your local computer or laptop.
2. Connect the ECLIPSE 99 panel to the computer and run the ProsTE software.
3. Choose ECLIPSE 99 system from the drop-down menu.
4. Read and save the system configuration to your local computer as *.TDF file format.
5. Click with the right button of the mouse and choose from the option list “Firmware update” menu.
6. In the new dialogue window press the Browse button and select the SPF file from your local computer.
7. Press “Update” button in the dialogue window.
8. In the dialogue window “Communication” choose a COM port (to which the panel is physically connected) and press OK button for confirmation.
9. Wait the firmware update process to complete.
10. Press the Finish button in the dialogue window.
11. Perform a full hardware reset of the panel.
12. Update the language strings of the panel – start ProsTE at your language, choose “Eclipse Strings” and write them down to the panel.
13. Write down the saved earlier system configuration (*.TDF file).